



STEPHANIE  
RAWLINGS-BLAKE  
MAYOR



BALTIMORE CITY  
DEPARTMENT OF PUBLIC WORKS  
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DIRECTOR

# Water Contract No. 1204 Druid Tanks EPA's Safe Drinking Water Act Requirements (LT2ESWTR)

*City of Baltimore, Maryland*

Project Status and Update

October 2014

# WC 1204 | Druid Tanks

- Design Notice to Proceed: October 30, 2013
- Design Completion: September 3, 2015
- Bid Phase Completion: April 6, 2016
- Construction NTP: April 7, 2016
- Construction Complete: June 25, 2018
- Construction Cost: \$112,000,000 – \$120,000,000

# Work Completed to Date

- 30% Design Memorandum September 2014
- Geotechnical investigations
- Fountain/aeration of future lake



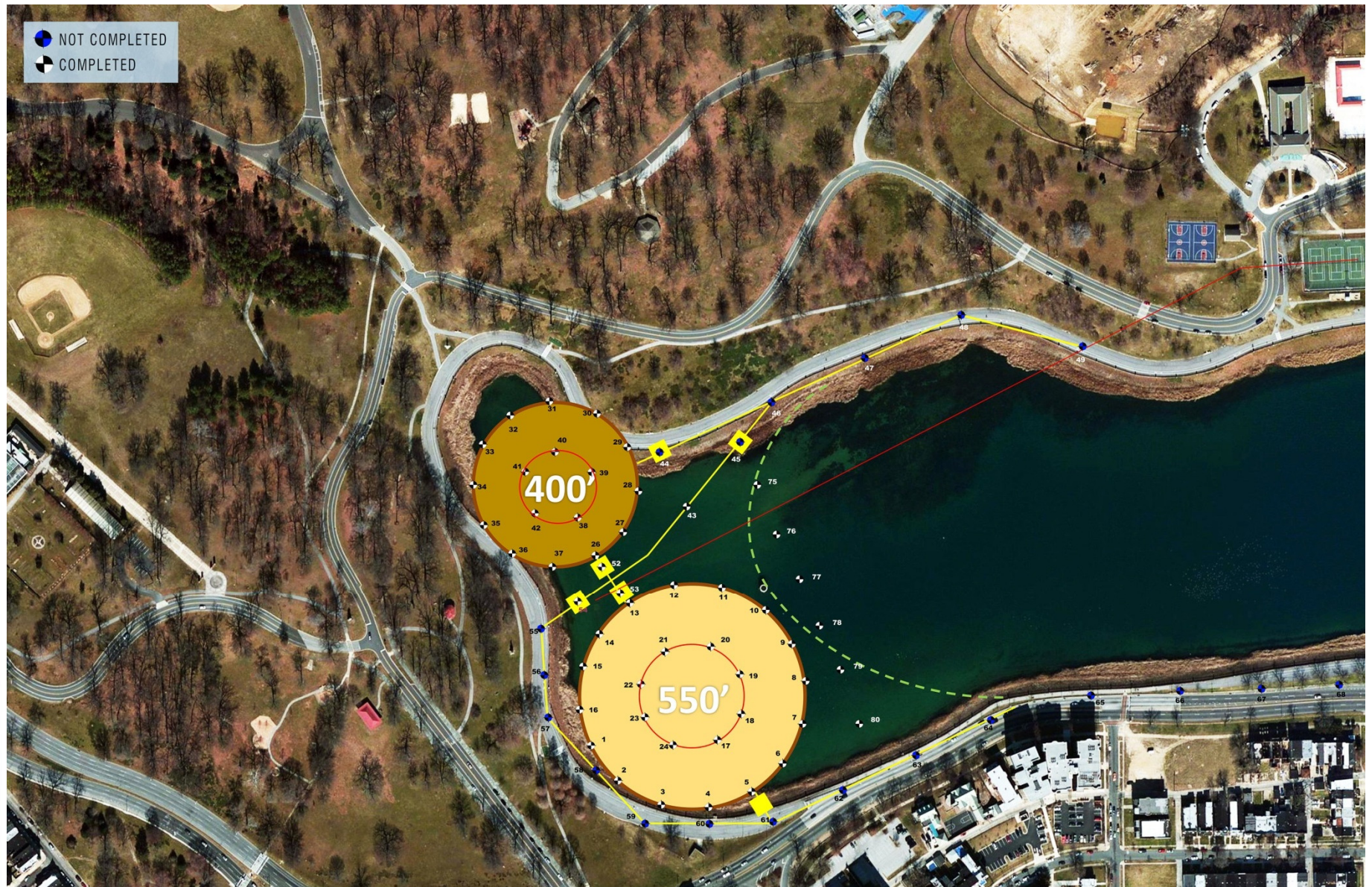
*Possible Fountain Style*



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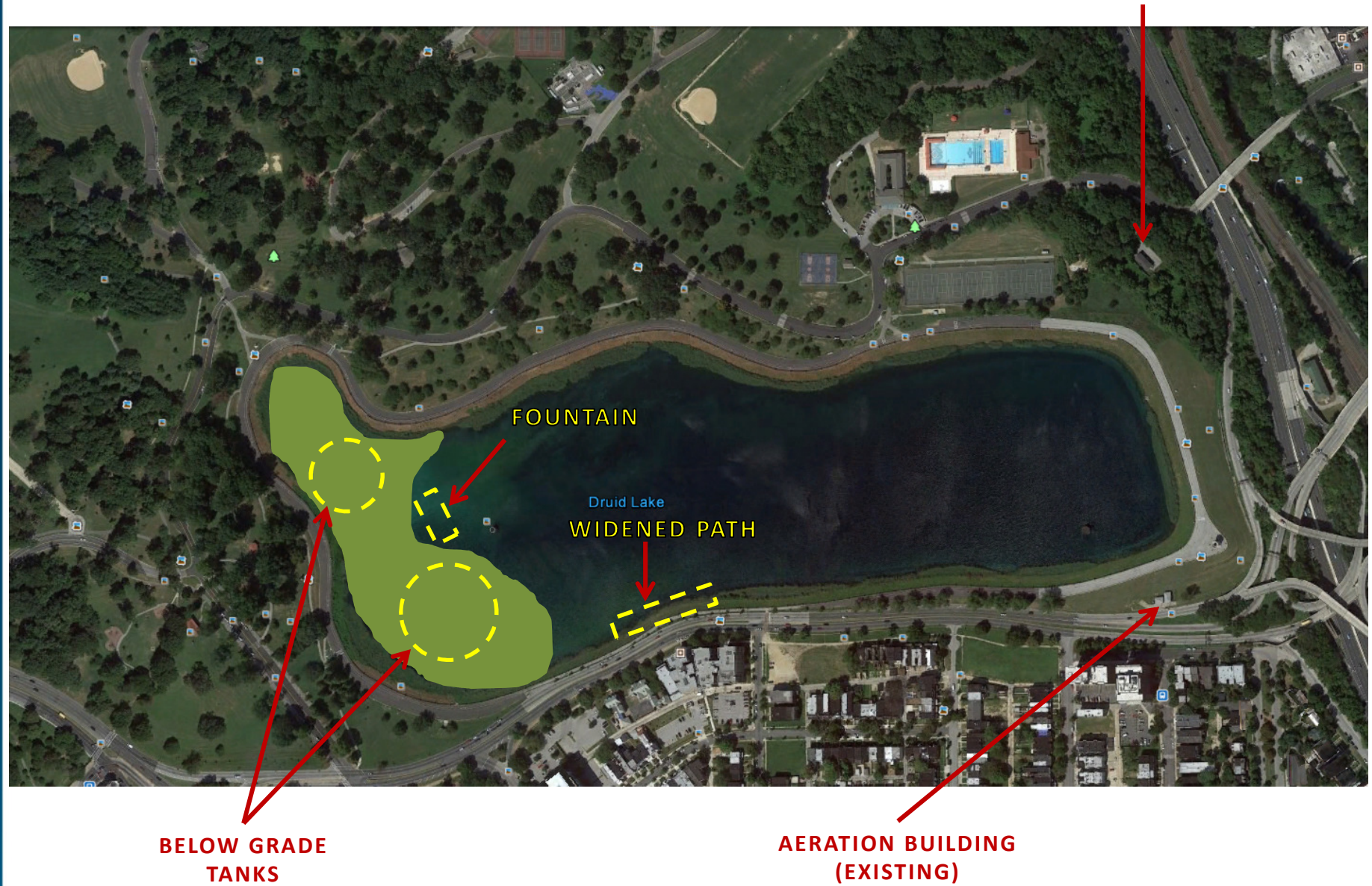


# Lake and Shore Borings Completed to Date





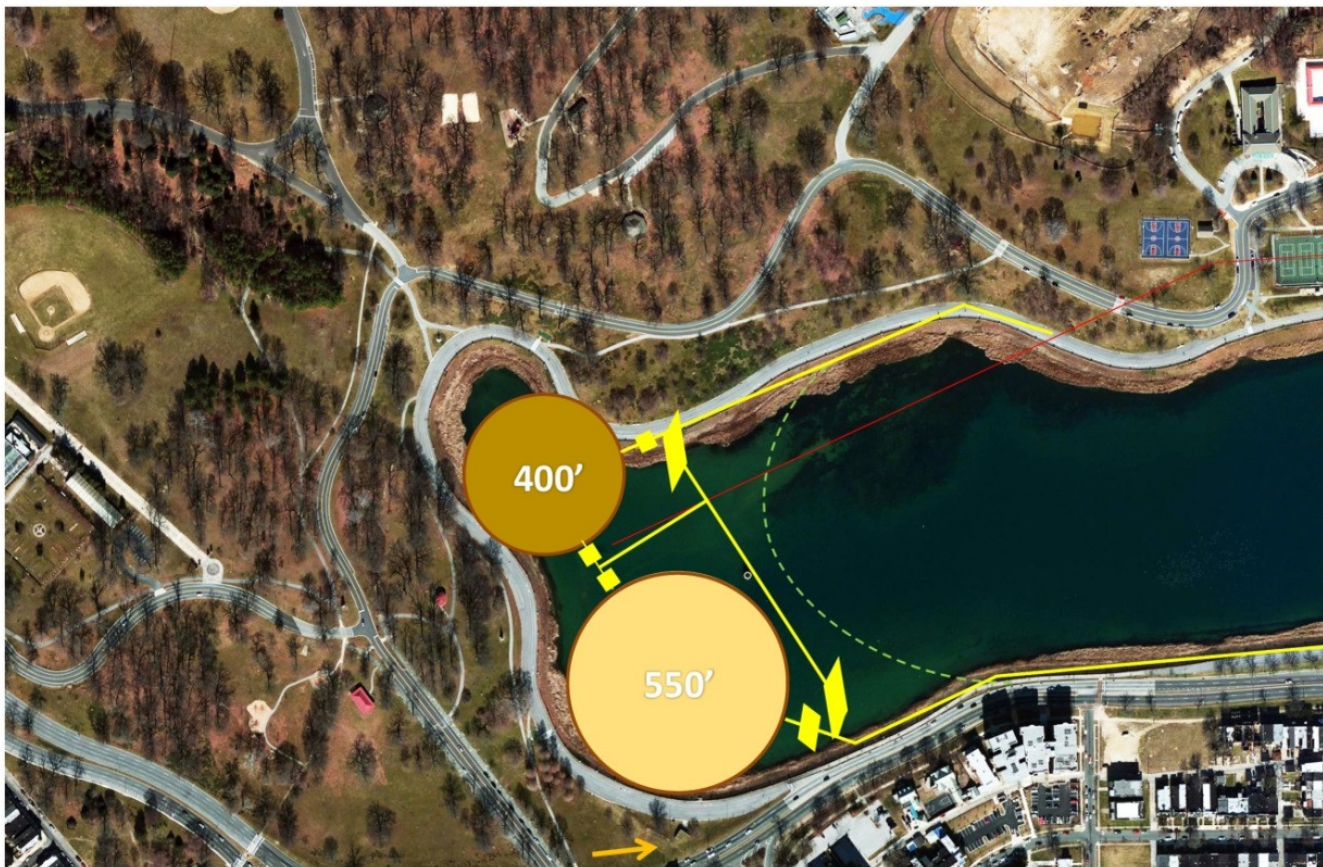
# Future Site





# Upcoming Work

- Development of detailed design for 60% submittal in February 2015

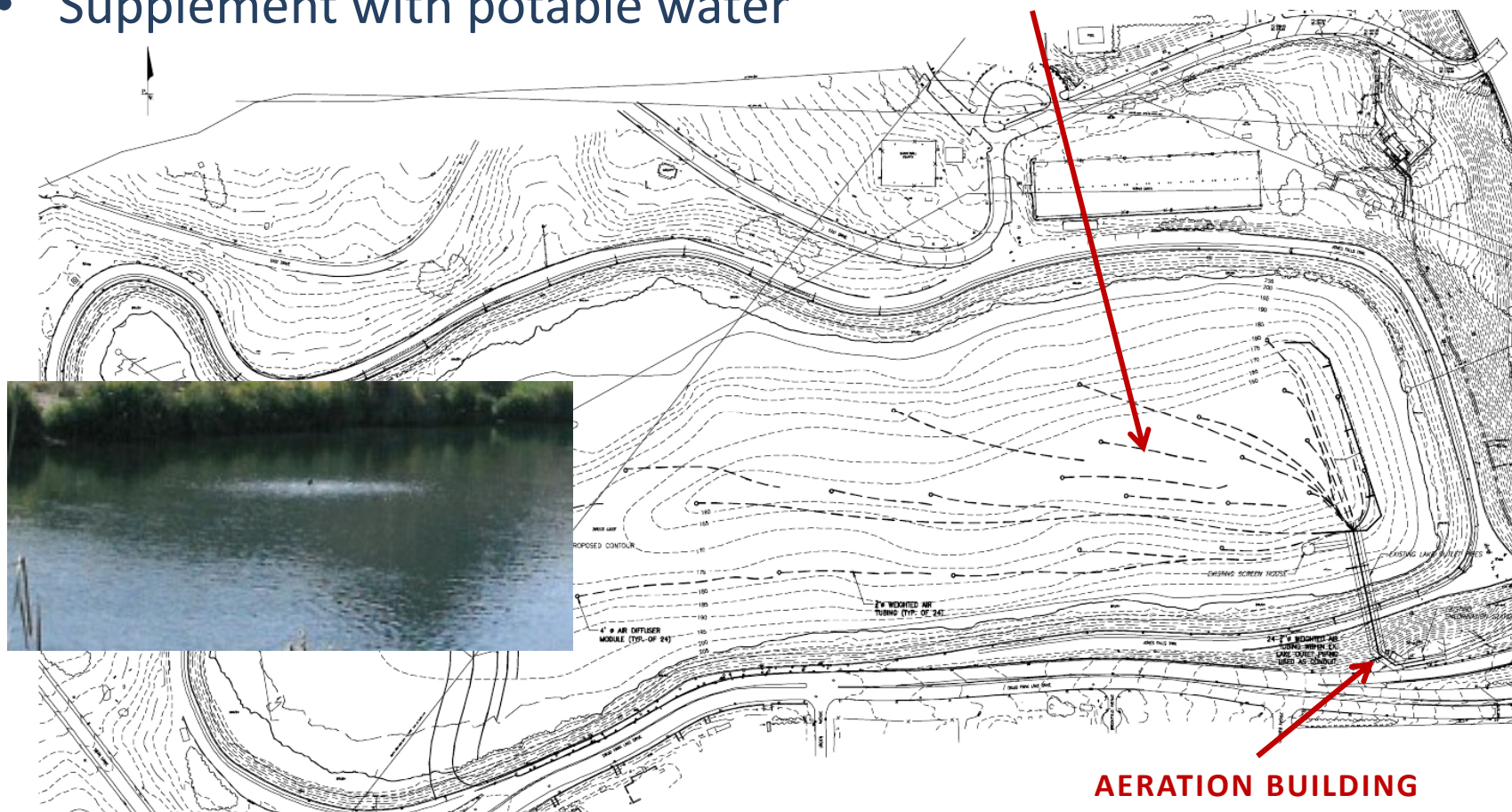


## LEGEND

-  NEW PIPING
-  EXISTING PIPING

# Future Lake Water Level/Water Quality

- Reconstruct storm drains
- Drill groundwater wells
- Supplement with potable water





# Druid Lake Aeration

- Efficient mixing and aeration with diffused air system
- Decentralized system:
  - Multiple compressors, air lines and diffusers provide redundancy and reliability
  - If one or multiple compressors, air lines or diffusers fail the entire lake does not lose its aeration and circulation
- Single location for maintenance of compressors
- Reuse existing building and piping for new function
- Cascade waterfall provides additional aeration



# Questions?

